

chain nodes :

9 12 13 14 15 16 17 18 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34  
35 45 46 47 48 49 50 51 55

ring nodes :

1 2 3 4 5 6 7 8

chain bonds :

3-9 6-55 7-46 9-45 12-13 13-14 15-16 16-17 17-18 20-21 21-22 22-23 24-25  
25-26 26-35 27-32 28-30 29-31 30-33 31-34 47-48 49-50 50-51

ring bonds :

1-2 1-5 2-3 3-4 4-5 4-6 5-8 6-7 7-8

exact/norm bonds :

1-2 1-5 2-3 3-4 3-9 4-5 4-6 5-8 6-7 6-55 7-8 7-46 9-45 12-13 13-14 15-16  
16-17 17-18 20-21 21-22 22-23 24-25 25-26 26-35 27-32 28-30 29-31 30-33 31-34  
47-48 49-50 50-51

G1:O,S,N

G2:Cy,Ak,H

G3:G2,H,[\*1],[\*2],[\*3],[\*4],[\*5],[\*6],[\*7]

G4:G2,[\*8],[\*9]

Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:CLASS 12:CLASS  
13:CLASS 14:CLASS 15:CLASS 16:CLASS 17:CLASS 18:CLASS 20:CLASS 21:CLASS 22:CLASS  
23:CLASS 24:CLASS 25:CLASS 26:CLASS 27:CLASS 28:CLASS 29:CLASS 30:CLASS 31:CLASS  
32:CLASS 33:CLASS 34:CLASS 35:CLASS 45:CLASS 46:CLASS 47:CLASS 48:CLASS 49:CLASS  
50:CLASS 51:CLASS 55:CLASS

L1 STRUCTURE UPLOADED

=> d

L1 HAS NO ANSWERS

L1 STR

\* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT \*

Structure attributes must be viewed using STN Express query preparation.

=> s 11 ful

FULL SEARCH INITIATED 15:32:51 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 1159 TO ITERATE

100.0% PROCESSED 1159 ITERATIONS

304 ANSWERS

SEARCH TIME: 00.00.01

L2 304 SEA SSS FUL L1

=> file caplus

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

172.10

172.31

FILE 'CAPLUS' ENTERED AT 15:32:54 ON 05 NOV 2007

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FILE COVERS 1907 - 5 Nov 2007 VOL 147 ISS 20

FILE LAST UPDATED: 4 Nov 2007 (20071104/ED)

Effective October 17, 2005, revised CAS Information Use Policies apply.

They are available for your review at:

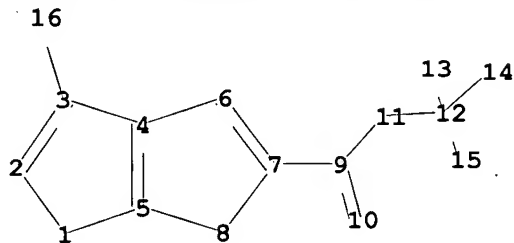
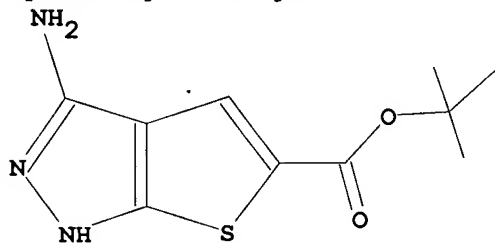
<http://www.cas.org/infopolicy.html>

=> s 12

L3 13 L2

=> d ibib hitstr 1-13

Uploading C:\Program Files\Stnexp\Queries\10 series\10522250\Claim 5.str



chain nodes :

9 10 11 12 13 14 15 16

ring nodes :

1 2 3 4 5 6 7 8

chain bonds :

3-16 7-9 9-10 9-11 11-12 12-13 12-14 12-15

ring bonds :

1-2 1-5 2-3 3-4 4-5 4-6 5-8 6-7 7-8

exact/norm bonds :

1-2 1-5 2-3 3-4 3-16 4-5 4-6 5-8 6-7 7-8 9-10 9-11 11-12

exact bonds :

7-9 12-13 12-14 12-15

Match level :

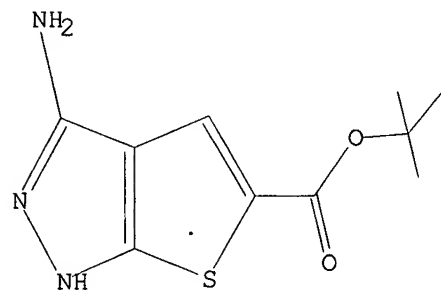
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:CLASS 10:CLASS  
11:CLASS 12:CLASS 13:CLASS 14:CLASS 15:CLASS 16:CLASS

L1 STRUCTURE UPLOADED

=> d

L1 HAS NO ANSWERS

L1 STR



Structure attributes must be viewed using STN Express query preparation.

=> s 11 ful

FULL SEARCH INITIATED 14:23:05 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 41 TO ITERATE

100.0% PROCESSED 41 ITERATIONS

1 ANSWERS

SEARCH TIME: 00.00.01

U.S. Application No. 10/522,250 - Compound Search

L2 1 SEA SSS FUL L1

=> file caplus

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

172.10

172.31

FILE 'CAPLUS' ENTERED AT 14:23:07 ON 06 NOV 2007

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FILE COVERS 1907 - 6 Nov 2007 VOL 147 ISS 20

FILE LAST UPDATED: 5 Nov 2007 (20071105/ED)

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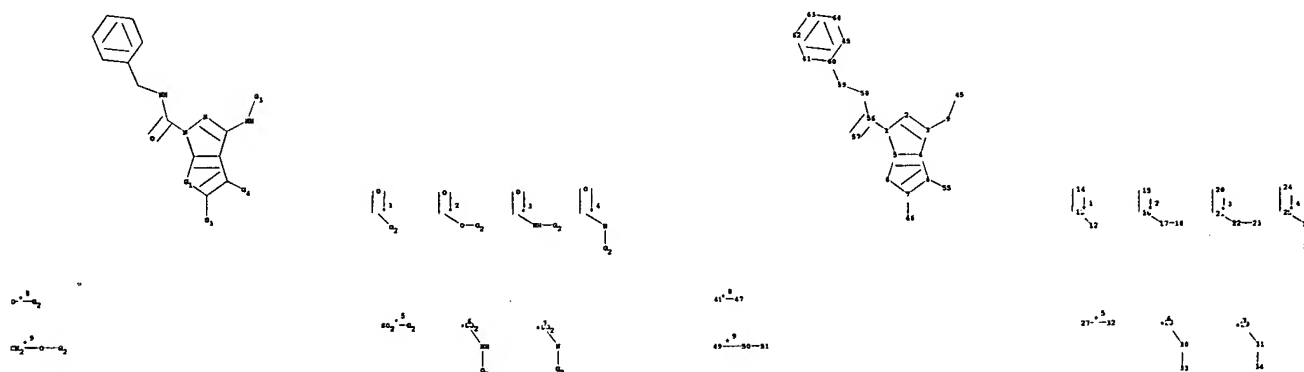
<http://www.cas.org/infopolicy.html>

=> s l2

L3 3 L2

=> d ibib hitstr 1-3

Uploading C:\Program Files\Stnexp\Queries\10 series\10522250\resin.str



chain nodes :

9 12 13 14 15 16 17 18 20 21 22 23 24 25 26 27 28 29 30 31 32  
33 34 35 45 46 47 48 49 50 51 55 56 57 58 59

ring nodes :

1 2 3 4 5 6 7 8 60 61 62 63 64 65

chain bonds :

1-56 3-9 6-55 7-46 9-45 12-13 13-14 15-16 16-17 17-18 20-21 21-22 22-23  
24-25 25-26 26-35 27-32 28-30 29-31 30-33 31-34 47-48 49-50 50-51 56-57 56-58  
58-59  
59-60

ring bonds :

1-2 1-5 2-3 3-4 4-5 4-6 5-8 6-7 7-8 60-61 60-65 61-62 62-63 63-64 64-65

exact/norm bonds :

1-2 1-5 1-56 2-3 3-4 3-9 4-5 4-6 5-8 6-7 6-55 7-8 7-46 9-45 12-13  
13-14 15-16 16-17 17-18 20-21 21-22 22-23 24-25 25-26 26-35 27-32 28-30 29-31  
30-33 31-34  
47-48 49-50 50-51 56-57 56-58 58-59 59-60

normalized bonds :

60-61 60-65 61-62 62-63 63-64 64-65

G1:O,S,N

G2:Cy,Ak,H

G3:G2,H,[\*1],[\*2],[\*3],[\*4],[\*5],[\*6],[\*7]

G4:G2,[\*8],[\*9]

U.S. Application No. 10/522,250 - Compound Search

Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:CLASS 12:CLASS  
13:CLASS 14:CLASS 15:CLASS 16:CLASS 17:CLASS 18:CLASS 20:CLASS 21:CLASS 22:CLASS  
23:CLASS  
24:CLASS 25:CLASS 26:CLASS 27:CLASS 28:CLASS 29:CLASS 30:CLASS 31:CLASS 32:CLASS  
33:CLASS  
34:CLASS 35:CLASS 45:CLASS 46:CLASS 47:CLASS 48:CLASS 49:CLASS 50:CLASS 51:CLASS  
55:CLASS  
56:CLASS 57:CLASS 58:CLASS 59:CLASS 60:Atom 61:Atom 62:Atom 63:Atom 64:Atom  
65:Atom

L1 STRUCTURE UPLOADED

=> d

L1 HAS NO ANSWERS

L1 STR

\* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT \*

Structure attributes must be viewed using STN Express query preparation.

=> s l1 ful

FULL SEARCH INITIATED 14:01:47 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 0 TO ITERATE

100.0% PROCESSED 0 ITERATIONS

0 ANSWERS

SEARCH TIME: 00.00.01

L2 0 SEA SSS FUL L1